CLAIMS

What is claimed is:

1. A vehicle transmission detent assembly comprising:

a housing having a bore;

a movable shift member supported by said housing including a recess at least partially aligned with said bore;

a detent at least partially disposed within said bore and engaging said recess;

a biasing member generating a force on said detent urging said detent into engagement with said recess; and

an adjustment member supported by a portion of said housing, said adjustment member coacting with said biasing member and moving said biasing member between a plurality of compressive states with each of said states generating a different force on said detent.

2. The assembly according to claim 1, wherein said adjustment member is a shift rail.

3. The assembly according to claim 1, wherein said shift rail supports a shift fork.

4. The assembly according to claim 1, wherein said recess includes a profile defining a plurality of shift positions.

5. The assembly according to claim 1, wherein said biasing member is a coil spring.

7. The assembly according to claim 1, wherein said housing includes a plate at least partially blocking said bore and retaining said biasing member therein with said adjustment member supported by said plate.

8. The assembly according to claim 1, wherein a liquid bonding agent is arranged between said bore and said adjustment member.

9. A vehicle transmission shift assembly comprising:

a housing having a bore;

a movable shift member supported by said housing and having a portion at least partially aligned with said bore;

a biasing member generating a force on said shift member; and

an adjustment member coacting with said biasing member and moving said biasing member between a plurality of compressive states with each of said states generating a different force on said detent.

10. The assembly according to claim 9, wherein said shift member includes a recess at least partially aligned with said bore, and a detent at least partially disposed within said bore and engaging said recess.

11. The assembly according to claim 9, wherein said adjustment member is threaded and said bore threadingly receives said adjustment member.

12. A method of adjusting the shift feel to the operator of a transmission comprising the steps of:

a) providing a transmission shift lever having a shift feel when moved between shift positions;

b) providing a biasing member generating a force indicative of the shift feel;

c) manipulating an adjustment member operatively connected to the biasing member; and

d) changing the force to provide a different shift feel.

13. The method according to claim 12, wherein step c) includes turning the threaded adjustment member.

14. The method according to claim 12, wherein step d) includes compressing the biasing member.

15. The method according to claim 12, wherein step d) includes uncompressing the biasing member.